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APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/719,067 11/24/2003		11/24/2003	Wouter Onno Pril	081468-0306604 9117	
909	7590	08/24/2004		EXAMINER	
		HROP, LLP	NGUYEN, HUNG		
P.O. BOX 1				ART UNIT	DADED MUDADED
MCLEAN, VA 22102				ARTUNII	PAPER NUMBER
				2851	

DATE MAILED: 08/24/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)				
		10/719,067	PRIL ET AL.				
	Office Action Summary	Examiner	Art Unit				
		Hung Henry V Nguyen	2851				
	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
THE - Exte after - If the - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY MAILING DATE OF THIS COMMUNICATION. SIX (6) MONTHS from the mailing date of this communication. e period for reply specified above is less than thirty (30) days, a reply period for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be ting within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed /s will be considered timely. If the mailing date of this communication. ED (35 U.S.C. § 133).				
Status							
1)⊠	Responsive to communication(s) filed on <u>24 November 2003</u> .						
2a) <u></u> □	This action is FINAL . 2b) ☐ This	action is non-final.					
3)[<	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposit	ion of Claims						
5)⊠ 6)□	Claim(s) 1-20 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. Claim(s) 1-11 and 14-20 is/are allowed. Claim(s) is/are rejected. Claim(s) 12 and 13 is/are objected to.						
Applicati	ion Papers						
10)⊠	The specification is objected to by the Examiner The drawing(s) filed on <u>24 November 2003</u> is/an Applicant may not request that any objection to the Replacement drawing sheet(s) including the correction The oath or declaration is objected to by the Ex	re: a)⊠ accepted or b)⊡ object drawing(s) be held in abeyance. Section is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).				
Priority ι	ınder 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.							
Attachmen	t(s)						
1) 🔯 Notic	e of References Cited (PTO-892)	4) Interview Summary					
3) 🔲 Infon	te of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date	Paper No(s)/Mail Do 5) Notice of Informal F 6) Other:	ate Patent Application (PTO-152)				

Ex Parte Quayle

1. This application is in condition for allowance except for the following formal matters:

IN THE CLAIMS

- Claims 12-13 are objected to because the dependency of these claims can not be determined. Correction is required.
- 3. Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

Reasons for Allowance

4. The following is an examiner's statement of reasons for allowance: claims 1-20 have been found to be allowable over the prior art of record since the prior art of record either alone or in combination, neither discloses nor makes obvious the combination of a lithographic projection apparatus comprising among other features, an interferometer measuring system for measuring displacement of a target object; a second harmonic interferometer for measuring atmospheric conditions along an optical path and a control system having specific functions as recited in the instant claims for correcting the measurement of the interferometer measuring system.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

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fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Prior Art Made of Record

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

De Groot et al (U.S.Pat. 6,327,039) discloses interferometer and method for measuring the refractive index and optical path length effects of air; and Takahashi (U.S.Pat. 6,583,856) discloses an exposure apparatus for detecting and correcting the fluctuation amounts of projection optical system. The references have been cited for technical background.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hung Henry V Nguyen whose telephone number is 571-272-2124. The examiner can normally be reached on Monday-Friday (First Friday off).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Judy Nguyen can be reached on 571-272-2258. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Hung Henry V Nguyen Primary Examiner

thanharupur

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hvn 8/19/04